

This listing of claims will replace all prior versions
and listings of claims in the application:

LISTING OF CLAIMS

1. (Original) A polyether polymer which comprises:
 - (a) a backbone of the polyether polymer having repeating chain units of the backbone;
 - (b) electron stabilizing side chains attached at a carbon along the length of the backbone of the polyether polymer, the electron stabilizing side chains comprising an aromatic group covalently attached to the backbone of the polymer and one or more electron withdrawing groups covalently attached to the aromatic group.

2. (Original) The polyether polymer of Claim 1 wherein the one or more electron withdrawing groups are selected from at least one member of the group consisting of cyano, fluoro, nitro, acyloxy, carboxyalkyl, carboxyaryl, formyl, thiocarbonyl, sulfonyl, alkylsulfoxy (RSO), arylsulfoxy, alkylsulfodioxy, and arylsulfodioxy.

3. (Original) The polyether polymer of Claim 1 wherein the electron stabilizing side chains occur at an average interval of one electron stabilizing side chain per ten chain units of the backbone to one electron stabilizing side chain per one chain unit of the backbone.

4. (Original) The polyether polymer of Claim 1 or 2 wherein the electron stabilizing side chains occur at an average interval of one electron stabilizing side chain per six chain units of the backbone.

5. (Original) The polyether polymer of Claim 1 wherein the backbone of the polymer is a poly(glycidyl ether).

6. (Original) The polyether polymer of Claim 1 wherein the backbone of the polymer is a poly(glycol ether).

7. (Original) The polyether polymer of any one of Claims 1, 5 or 6 wherein the electron stabilizing side chains are fluorophenoxy groups containing 1 to 5 fluoro atoms.

8. (Original) The polyether polymer of Claim 1, 5 or 6 wherein the electron stabilizing side chains are dinitrophenoxymethyl groups.

9. (Original) The polyether polymer of Claim 1, 5 or 6 wherein the electron stabilizing side chains are dicyanophenoxymethyl groups.

10. (Original) The polyether polymer of Claim 1 wherein the electron stabilizing side chains are pentafluoromethoxy methyl groups.

11. (Original) The polyether polymer of Claim 1 wherein the electron stabilizing side chains are dinitrophenoxy methyl groups.

12. (Original) The polyether polymer of Claim 1 wherein the backbone of the polymer is a poly(pentaethylene glycol).

13. (Original) The polyether polymer of any one of Claims 1, 6 or 12 wherein the electron stabilizing side chains are fluorobenzyloxymethyl groups containing 1 to 5 fluoro atoms.

14. (Original) The polyether polymer of any one of Claims 1, 6 or 12 wherein the electron stabilizing side chains are dinitrobenzyloxymethyl groups.

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15. (Original) The polyether polymer of any one of Claims 1, 6 or 12 wherein the electron stabilizing side chains are dicyanobenzyloxy methyl groups.

Claim 16. (Cancelled)

17. (Original) (2,2-dimethyl-1,3-dioxolone-4-methanol) pentafluorophenyl ether.

Claims 18 - 39 (Cancelled)

40. (Original) The polyether polymer of any one of Claims 1, 2 or 3 wherein the polymer contains stable, free electrons on the electron withdrawing groups so that the polyether polymer is electronegative.